Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Saturday 25 Dec 2021 until 23:59 on Sunday 26 Dec 2021

Forecast Issued on Friday 24 Dec 2021 at 15:47

Confidence: Low to medium for the Christmas day detail with poor conditions generally holding sway, but probably clearing for a time also. Confidence high for an unsettled start for Boxing day then improving later, but lower for the detail of worst of conditions, also for the pattern from Monday.

Headline for Saturday 25 Dec 2021: Cloudy with some rain and snow at first, also later, which turns progressively more wintry. However also a dry and possibly brighter spell for a time. Feeling cold in strong summit winds.

Mountain weather hazards on Saturday 25 Dec 2021

Blizzards
No Likelihood

Heavy Snow
No Likelihood

Storm force winds
No Likelihood

Gales
Low Likelihood

Severe chill effect
Medium Likelihood

Poor visibility
Low Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Sleet	Sleet	Light snow	Light snow	Cloudy	Light snow	Light snow	Light snow
Precipitation probability							
70%	50%	50%	30%	10%	30%	60%	70%

Forecast for Saturday 25 Dec 2021

Weather: Overcast overnight with occasional mostly light rain, sleet and snow. Early Christmas morning brings some patchy rain, falling as snow above around 500m, which largely clears by late morning, with the chance of the odd brighter spell either side of noon breaking through the rather cloudy skies. Gradually cloud thickening and lowering from the south through the afternoon to bring a showery area of snow, and perhaps freezing rain, from mid-afternoon onwards.

Chance of cloud free mountain/hill tops above 600m: 40% at first, becoming 70% by mid-day, then 20% by midnight.

Visibility: Becoming moderate to very poor in rain, snow, sleet, also only a few metres in hill fog with bases by day quite extensive from 600m early morning and for the evening, but occasionally broken and largely above the summits for a time either side of noon.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Forecast for Saturday 25 Dec 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	25/33 E	27/36 E	30/42 E	30/42 E	30/41 E	29/41 E	30/43 E	29/41 E	26/37 E
300	19/30 E	19/30 E	25/40 E	23/40 E	22/38 E	22/37 E	24/40 E	23/38 E	22/35 E
Valley	17/33 E	17/34 E	19/38 E	21/41 E	21/38 E	18/35 E	18/36 E	18/36 E	17/35 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	1/-6	1/-6	-1/-9	-2/-10	-2/-11	-2/-10	-2/-11	-2/-11	-2/-10
300	3/-2	3/-2	2/-5	1/-6	1/-6	1/-6	0/-7	0/-7	0/-6
Valley	4/-1	4/-1	3/-3	2/-4	2/-4	1/-5	1/-5	1/-5	1/-5
Freezing Level*	700m	700m	500m	300m	200m	200m	200m	200m	300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Winds gusting to 45 mph across highest and most exposed ridges and summits, combining with low temperatures to bring a severe wind chill effect at times.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Fri 24 Dec 2021	2.4mm	6.6mm	6.6mm

Forecast for Sunday 26 Dec 2021

Weather: An overcast day with occasional snow which turns to rain below around 600m through the morning. Precipitation becoming more showery in nature from afternoon.

Maximum wind: East or southeast initially mean 20-25 mph with gusts 35mph, gradually easing through the day.

Chance of cloud free mountain/hill tops above 600m: 30% becoming 90% for any given time during the afternoon and evening.

Visibility: Becoming moderate to very poor in rain and snow, frequently at first then infrequently in later showers. Also becoming only a few metres in hill fog with bases quite extensive from 600m during morning, sporadically so in later showers.

Temperature: **Valleys:** Minus 1 Celsius increasing 7 Celsius during the afternoon
At 600m: Minus 2 Celsius increasing plus 1 later
Freezing level: 100m lifting 700m later

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